

<b>PTO-1449</b> <b>Information Disc1 sur Citation</b> <b>in an Application</b>	Application No.	Applicant(s)		
	Docket Number	M hamm d N. Islam t al.		
	074036.0131	Group Art Unit	Filing Date	

**U.S. PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A	4,011,009	03/08/77	Lama, et al.	350	162 R	05/27/75
B	4,900,119	02/13/90	Hill, et al.	350	96.15	04/01/88
C	5,212,743	05/18/93	Heismann	385	11	02/12/92
D	5,311,360	05/10/94	Bloom, et al.	359	572	04/28/92
E	5,459,610	10/17/95	Bloom, et al.	359	572	05/20/93
F	5,500,761	03/19/96	Goossen, et al.	359	290	01/27/94
G	5,654,819	08/05/97	Goossen, et al.	359	291	01/07/95
H	5,659,418	08/19/97	Yurke	359	290	02/05/96
I	5,661,592	08/26/97	Bornstein, et al.	359	291	01/07/95
J	5,701,193	12/23/97	Vogel, et al.	359	290	02/21/96
K	5,745,271	04/28/98	Ford, et al.	359	130	07/31/96
L	5,751,469	05/12/98	Arney, et al.	359	291	02/01/96
M	5,825,528	10/20/98	Goossen	359	291	12/26/95

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
N							
O							

**NON-PATENT DOCUMENTS**

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
P	K. E. Petersen, "Micromechanical Light Modulator Array Fabricated On Silicon," Applied Physics Letters, Vol. 31, No. 8, pp. 521-523	10/15/77
Q	C. Marxer, et al., "Megahertz Opto-Mechanical Modulator," Elsevier Science S.A., pp. 46-50	1996
R	C. M. Ragdale, et al., "Integrated Three Channel Laser and Optical Multiplexer for Narrowband Wavelength Division Multiplexing," Electornics Letters, Vol. 30, No. 11, pp. 897-898	05/26/94
S	K. O. Hill, et al., "Narrow-Bandwidth Optical Waveguide Transmission Filters," Electronic Letters, Vol. 23, No. 9, pp. 465-466	04/23/87
T	C. M. Ragdale, et al., "Integrated Laser and Add-Drop Optical Multiplexer for Narrowband Wavelength Division Multiplexing," Electronic Letters, Vol. 28, No.89, pp. 712-714	04/09/92
U	K. Aratani, et al., "Process and Design Considerations for Surface Micromachined Beams for A Tuneable Interferometer Array in Silicon," Handbook of Physics, pp. 230-235	1993

**EXAMINER***Johanna King***DATE CONSIDERED***6/25/04*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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		074036.0131	Group Art Unit	Filing Date	
					December 9, 2003

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	5,835,255	11/10/98	Miles	359	291	05/05/94
	B	5,841,579	11/24/98	Bloom, et al.	359	572	06/07/95
	C	5,850,492	12/15/98	Morasca, et al.	385	11	11/06/96
	D	5,870,221	02/09/99	Goossen	359	290	07/25/97
	E	5,914,804	06/22/99	Goossen	359	291	01/28/98
	F	5,943,155	08/24/99	Goossen	359	247	08/12/98
	G	5,943,158	08/24/99	Ford, et al.	359	295	05/05/98
	H	5,943,454	08/24/99	Aksyuk, et al.	385	22	08/15/97
	I	5,949,571	09/07/99	Goossen, et al.	359	291	07/30/98
	J	5,974,207	10/26/99	Aksyuk, et al.	385	24	12/23/97
	K	5,986,796	11/16/99	Miles	359	260	11/05/96
	L	6,002,513	12/14/99	Goossen, et al.	359	291	06/22/98
	M	6,034,812	03/07/2000	Naito	359	341	02/03/1998
	N	6,151,160	11/21/2000	Ma et al.	359	341	10/05/1998

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
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## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q	O. Solgaard, et al., "Deformable Grating Optical Modulator," Optics Letters, Vol. 17, No. 9, pp. 688-690	05/01/92
	R	W. R. Wiszniewski, et al., "Mechanical Light Modulator Fabricated On A Silicon Chip Using Simox Technology, pp. 1027-1030	Undated
	S	M.W. Chbat, "High-spectral-efficiency transmission systems," OFC 2000, Baltimore, MD, pp TuJ1-1, 134-136	2000
	T	J.W. Bayless, et al., "The Specification and Design of Bandlimited Digital Radio Systems," IEEE Transactions on Communications, Vol. COM-27 (12): pp. 1763-1770	1979
	U	D.E. Sene, et al., "Polysilicon Micromechanical Gratings for Optical Modulation," Elsevier Vol. Sensors and Actuators (A 57), pp. 145-151	1996

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6/25/04

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>A</i>	A	6,188,477 B1	02/13/2001	Pu et al.	356	351	05/04/1999
<i>B</i>	B	6,222,954 B1	04/24/2001	Riza	385	18	09/17/1999
<i>C</i>	C	2002/0021485 A1	02/21/2002	Pilosof	359	295	07/11/2001
<i>D</i>	D	6,407,851 B1	06/18/2002	Islam et al.	359	291	08/01/2000
<i>E</i>	E						
<i>F</i>	F						
<i>G</i>	G						
<i>H</i>	H						
<i>I</i>	I						
<i>J</i>	J						
<i>K</i>	K						

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						YES	NO
<i>L</i>	L						
<i>M</i>	M						

## NON-PATENT DOCUMENTS

	DOCUMENT (including Author, Title, Source, and Pertinent Pages)	DATE
<i>N</i>	D. M. Burns, et al., "Micro-Electro-Mechanical Variable Blaze Gratings," IEEE 10th Annual International Workshop on Micro Mechanical Systems, pp. 385-391	1997
<i>O</i>	L. Y. Lin, et al., "Micromachined polarization-state controller and its application to polarization-mode dispersion compensation," OFC 2000, Baltimore, MD, pp. ThQ3-1, 244-246	2000
<i>P</i>	J.W. Bayless, et al., "High Density Digital Data Transmission," National Telecommunications Conference, Dallas, TX, pp. 1-6	1976
<i>Q</i>	R.W. Corrigan, et al., "17.3: Calibration of a Scanned Linear Grating Light Value Projection System," <a href="http://www.siliconlight.com">www.siliconlight.com</a>	1999
<i>R</i>	SLM "GLV Technology," <a href="http://www.siliconlight.com">www.siliconlight.com</a>	1999
<i>S</i>	R.W. Corrigan, et al., "Grating Light Valve Technology for Projection Displays," Presented at the International Display Workshop, Kobe, Japan	1998
<i>T</i>	M. Ming, et al., "Principles and Applications of Optical Communications," Irwin, pp. 468 & 470	1996

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PTO-1449 <b>Information Disclosed on Citation in an Application</b>		Application No.	Applicant(s)	
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**U.S. PATENT DOCUMENTS**

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	A						
	B						
	C						
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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	E						NO

**NON-PATENT DOCUMENTS**

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	F SLM "The Grating Light Valve Technology," <a href="http://www.siliconlight.com">www.siliconlight.com</a>	1999
	G SLM "The Scanned Grating Light Valve Display Architecture," <a href="http://www.siliconlight.com">www.siliconlight.com</a>	1999
	H A. Willner, "WDM Systems 1," OFC '97, Dallas, TX, pp. TuJ, 43-45	1997
	C. Pu, et al., "Micromachined Integrated Optical Polarization-State Rotator," IEEE Photonics Technology Letters, Vol. 12 (10), pp. 1358-1360	10/2000
	D. T. Amm, et al., "5.2: Grating Light Valve Technology: Update and Novel Applications," Presented at Society for Information Display Symposium, Anaheim, CA, pp. 1-4	05/1998
	D. M. Bloom, "The Grating Light Valve: revolutionizing display technology," <a href="http://www.siliconlight.com">www.siliconlight.com</a>	1998
	D. T. Amm, et al., "Optical Performance of the Grating Light Valve Technology," Presented at Photonics West-Electronic Imaging, Sunnyvale, CA, pp. 1-8	1999
	J. E. Ford, et al., "Fiber-Coupled Variable Attenuator Using a MARS Modulator," SPIE, Vol. 3226, pp. 86-96	1997
	D. M. Burns, et al., "Development of Micromechanical Variable Blaze Gratings," Elsevier Science S.A., vol. Sensors and Actuators, pp. 7-15	1998
	C. K. Madsen, et al., "A Tunable Dispersion Compensating MEMS All-Pass Filter," IEEE Photonics Technology Letters, Vol. 12 (6), pp. 651-653	2000
	J. E. Ford, et al., "Passband-Free Dynamic WDM Equalization," ECOC '98, Madrid, Spain, pp. 317-318	1998
	K. W. Goossen, et al., "Micromechanical Gain Slope Compensator for Spectrally Linear Optical Power Equalization	2000

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PTO-1449		Application N .	Applicant(s)	
Information Disclosure Citation in an Application		Mohammed N. Islam et al.		
		ocket Number	Group Art Unit	Filing Date
		074036.0131	December 9, 2003	

## U.S. PATENT DOCUMENTS

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	A						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
	B						

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		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	C	K. W. Goossen, et al., "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1 Mbit/sec Capability for Fiber-in-the-Loop Applications," IEEE Photonics Technology Letters, Vol. 6 (9), pp. 1119-1121	1994
	D	L. Y. Lin, et al., "Angular-Precision Enhancement in Free-Space Micromachined Optical Switches," IEEE Photonics Technology Letters, Vol. 11 (10), pp. 1253-1255	1999
	E	L. Y. Lin, et al., "Free-Space Micromachined Optical Switches with Submillisecond Switching Time for Large-Scale Optical Crossconnects," IEEE Photonics Technology Letters, Vol. 10 (4), pp. 525-527	1998
	F	L. Y. Lin, et al., "Optical Crossconnects for High-capacity Lightwave Networks," Jurnal of High Speed Networks, pp. 17-34	1999
	G	E. P. Furlani, et al., "Analysis of grating light valves with partial surface electrodes," American Institute of Physics, Vol. 83 (2), pp. 629-634	1998
	H	E. P. Furlani, et al., "Theory and simulation of viscous damped reflection phase gratings," J. Phys. D: Appl. Phys., Vol. 32, pp. 412-416	1999
	I	K. Aratani, et al., "Surface micromachined tuneable interferometer array," Sensors and Actuators, Vol. 43, pp. 17-23	1994
	J	R. T. Howe, et al., "Polycrystalline Silicon Micromechanical Beams," Journal Electrochemical Society, Vol. 130 (6), pp. 1420-1423	1983
	K	S. R. Mallinson, "Wavelength-selective filters for single-mode fiber WDM systems using Fabry-Perot interferometers," Applied Optics, Vol. 26 (3), pp. 430-436	1987
	L	L. Y. Lin, et al., "Micromachined Polarization-state-controller and its Application to Polarization-mode Dispersion-compensation," OFC 2000, Baltimore, MD, pp. ThQ3-1, 144-246	2000
	M	L. Y. Lin, et al., "Optical-layer Networking: Opportunities for and Progress in Lightwave Micromachines," OFC 2000, Baltimore, MD, pp. 1-88	2000
	N	Author Unknown, "Diffraction and Interference," Optics, Chapter 6, pp. 102-103	
	O	"Polarization Mode Dispersion (PMD)," Cables & Components Technical Papers, <a href="http://www.usa.alcatel.com/cc/techprs/fnlpmid2.htm">http://www.usa.alcatel.com/cc/techprs/fnlpmid2.htm</a>	2000
	P	"Menyuk Tutorial," OFC 2000, pp. 92-94	03/2000

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<i>Mohammed N. Islam</i>	6/25/04

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